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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/577,862	04/28/2006	Ken Gustaaf Helena Verhaegen	VERH3006/JEK	6760
23364 BACON & THO	7590 11/12/200 OMAS, PLLC	EXAMINER		
625 SLATERS	LANE	LAM, THANH		
FOURTH FLOOR ALEXANDRIA, VA 22314-1176			ART UNIT	PAPER NUMBER
			2834	
			MAIL DATE	DELIVERY MODE
			11/12/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		Application No.	. Applicant(s)		
		10/577,862	VERHAEGEN, KEN GUSTAAF HELENA		
	Office Action Gammary	Examiner	Art Unit		
		THANH LAM	2834		
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet with the c	orrespondence address		
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
1)🖂	Responsive to communication(s) filed on 25 Se	eptember 2008.			
2a) <u></u> □	This action is FINAL . 2b)⊠ This	action is non-final.			
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.				
Dispositi	on of Claims				
5)□ 6)⊠ 7)⊠	Claim(s) <u>1-18</u> is/are pending in the application. 4a) Of the above claim(s) <u>8-11,15 and 16</u> is/are Claim(s) is/are allowed. Claim(s) <u>1-6,12-14,17 and 18</u> is/are rejected. Claim(s) <u>7</u> is/are objected to. Claim(s) are subject to restriction and/o	e withdrawn from consideration.			
Applicati	on Papers				
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Example.	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).		
Priority ι	ınder 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
2) Notic 3) Inforr	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite		

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DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Species A, figures 1-5, claims 1-7,12-14,17-18 in the reply filed on 9/25/2008 is acknowledged.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-6,12-14,17-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Le Flem et al. (EP 1251624A2) as submitted by Applicant.

Regarding claim 1, Le Flem et al. disclose cooling arrangement for an electric motor or generator that includes consisting of a housing, a slotless tubular stator lamination (5), a rotor (4) with permanent magnets and electric windings (13) which are provided between the stator lamination and the rotor, a cooler (12) upon which said windings (13) are provided, said cooler comprising a cooling element (12) which is provided between the stator lamination and the rotor, said cooling element being is provided with teeth (20a-b, 24a-b) directed radially towards the rotor and which extend in an axial direction of the stator and in between which axially directed grooves (22) are defined, such that the cooling element has an external form of a conventional stator lamination with teeth for providing said windings.

Regarding claim 2, Le Flem et al. disclose the teeth and grooves are evenly distributed about an inner perimeter of the cooler .

Regarding claim 3, Le Flem et al. disclose the windings have axial parts which extend in grooves and bent parts (34) which are bundled together into a winding head disposed on both far ends of the stator.

Regarding claim 4, Le Flem et al. disclose the cooler comprises a cooling element having one or several passages for a cooling fluid.

Regarding claim 5, Le Flem et al. disclose the passages are axially directed and are connected to an outlet collector (44) on one far end of the stator and to an inlet collector (42) on the other far end of the stator, respectively.

Regarding claim 6, Le Flem et al. disclose the cooling element comprises a double-walled tube including an outer tube and an inner tube.

Regarding claim 12, Le Flem et al. disclose the outlet and inlet collectors are each formed of a ring-shaped element which confines a ring-shaped chamber, said ring-shaped element being connected to a side wall against a far end of the cooling element and wherein whereby this side wall has been worked open at the said passages of the cooling element.

Regarding claim 13, Le Flem et al. disclose each ring-shaped element is connected to the housing with an outer wall and wherein at least one opening is provided in this outer wall, which opening is situated opposite to an outlet opening and inlet opening, respectively, in the housing.

Regarding claim 14, Le Flem et al. disclose in the ring-shaped element in the wall directed towards the rotor there is provided a recess in which the winding head is cased on the respective far end concerned of the stator.

Regarding claim 17, Le Flem et al. disclose the cooler comprises (6) is made of a thermally conductive and electrically insulating material.

Regarding claim 18, Le Flem et al. disclose the cooler defines a separation between the cooling fluid and the electric windings.

Allowable Subject Matter

4. Claim 7 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to THANH LAM whose telephone number is (571)272-2026. The examiner can normally be reached on Mo-Fr, 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Quyen P. Leung can be reached on (571) 272-8188. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Thanh Lam/ Primary Examiner Art Unit 2834
